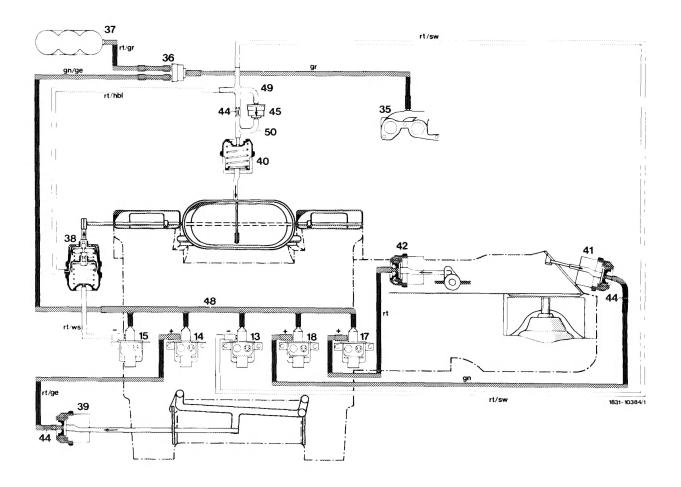


Vacuum function diagram 1 automatic climate control Function selection "a" (defrosting)

13 Switchover valve for center nozzle flap

- Switchover valve for legroom flaps
- Switchover valve for defroster nozzle flaps
- Switchover valve for main air flap Switchover valve for fresh air-recirculating air flap 18
- 35 Vacuum connection on intake manifold
- 36 Check valve
- Vacuum reservoir
- 37 38
- 39 40
- Vacuum element for defroster nozzle flaps (flaps "open")
  Vacuum element for legroom flaps (flap "closed")
  Vacuum element for center nozzle flap (flap "closed")
  Vacuum element for fresh air-recirculating air flap (position "fresh air")
  Vacuum element for main air flap (flap "open") 41
- 44 Throttle (orifice)
- Check valve (arrow = flow direction)
  6-point distributor
  4-point distributor
  3-point distributor 45 48
- 49

Color code of vacuum lines
ge = yellow
gn = green
gr = gray
rt = red
ws = white
hbl = light blue



- Vacuum function diagram 2 automatic climate control Function selection "b" (heating)

  Switchover valve for center nozzle flap

  Switchover valve for legroom flaps

  Switchover valve for defroster nozzle flaps

  Switchover valve for main air flap

  Switchover valve for fresh air-recirculating air flap
- Vacuum connection on intake manifold
- 35 36 37 38 39 Check valve
- Vacuum reservoir

- Vacuum reservoir

  2-stage vacuum element for defroster nozzle flaps (flaps "open")

  Vacuum element for legroom flaps (flap "open")

  Vacuum element for center nozzle flap (flap "closed")

  Vacuum element for fresh air-recirculating air flap (position "fresh air")

  Vacuum element for main air flap (flap "open")

  Throttle (orifice)

- 41 42 44 45 Check valve (arrow = flow direction)
- 6-point distributor
- 49
- 4-point distributor
  3-point distributor

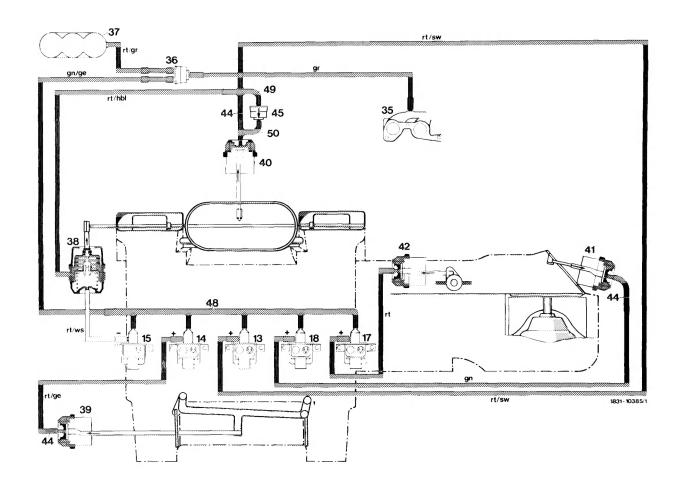
Color code of vacuum lines

ge = yellow

gn = green

gr = gray rt = red

ws = white hbl= light blue



Vacuum function diagram 2a automatic climate control Function selection "b" (cooling — fresh air)

13 Switchover valve for center nozzle flap

14 Switchover valve for legroom flaps

15 Switchover valve for defroster nozzle flaps

17 Switchover valve for main air flap

- Switchover valve for fresh air-recirculating air flap
- Vacuum connection on intake manifold
- Check valve
- Vacuum reservoir
- 35 36 37 38 39 40

- Vacuum reservoir
  2-stage vacuum element for defroster nozzle flaps (flaps "open")
  Vacuum element for legroom flaps (flap "open")
  Vacuum element for center nozzle flap (flap "open")
  Vacuum element for fresh air-recirculating air flap (position "fresh air")
  Vacuum element for main air flap (flap "open")
  Throttle (orifice)
- Throttle (orifice)
- Check valve (arrow = flow direction) 45
- 48 6-point distributor
- 4-point distributor
  3-point distributor

Color code of vacuum lines

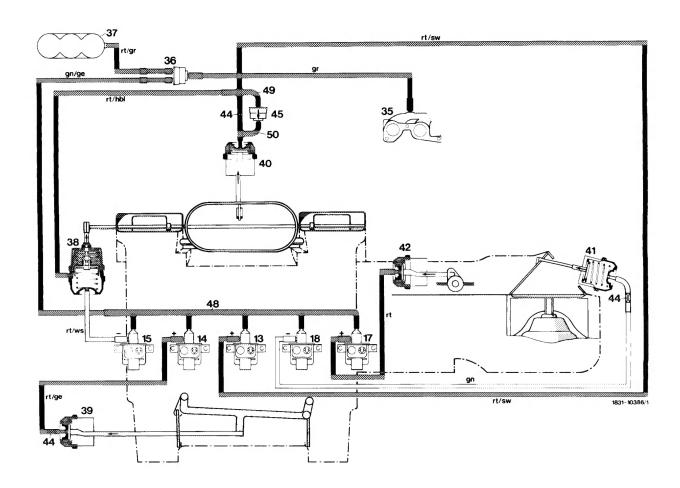
ge = yellow

gn = green

gr = gray rt = red

ws = white

hbl= light blue



Vacuum function diagram 2b automatic climate control Function selection "b" (cooling — recirculating air)

13 Switchover valve for center nozzle flap

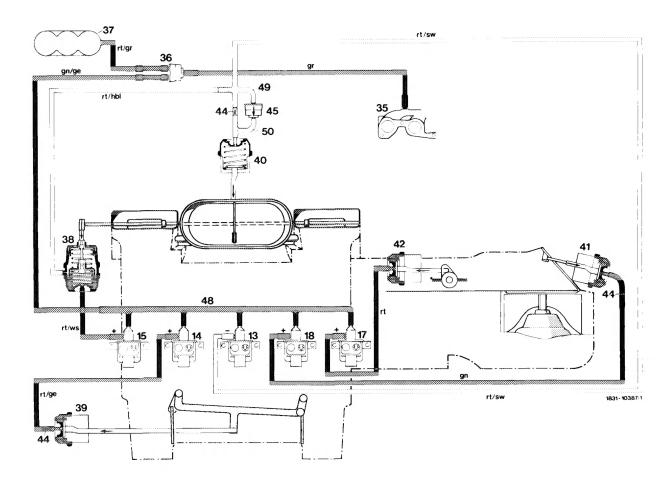
- Switchover valve for legroom flaps
- Switchover valve for defroster nozzle flaps
- Switchover valve for main air flap
  Switchover valve for fresh air-recirculating air flap
  Vacuum connection on intake manifold
- 18 35
- 36 37 38 39

- Vacuum reservoir
  2-stage vacuum element for defroster nozzle flaps (flaps "open")
  Vacuum element for legroom flaps (flap "open")
  Vacuum element for center nozzle flap (flap "open")
  Vacuum element for fresh air-recirculating air flap (position "recirculating air") 41
- 42 Vacuum element for main air flap (flap "open")
- 44 Throttle (orifice)
- Check valve (arrow = flow direction) 6-point distributor 45
- 48
- 49 4-point distributor
- 3-point distributor

Color code of vacuum lines

ge = yellow gn = green gr = gray rt = red ws = white

hbl= light blue



Vacuum function diagram 3 automatic climate control Function selection "c" (heating)

13 Switchover valve for center nozzle flap

14 Switchover valve for legroom flaps

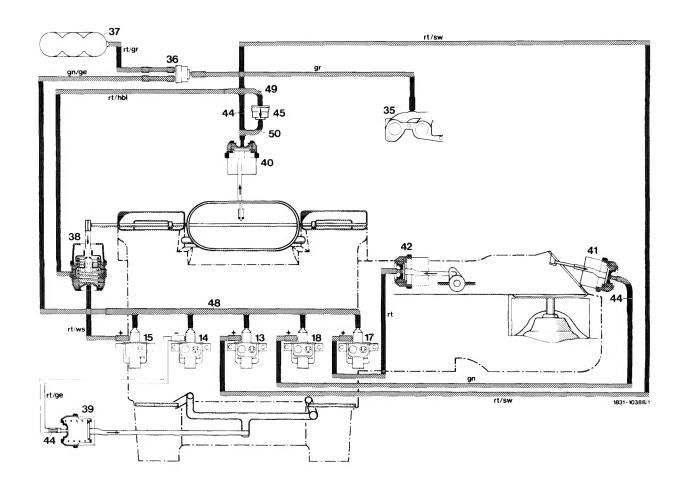
- Switchover valve for defroster nozzle flaps
  Switchover valve for main air flap
  Switchover valve for fresh air-recirculating air flap
  Vacuum connection on intake manifold
- 18 35 36 Check valve
- Vacuum reservoir
- 2-stage vacuum element for defroster nozzle flaps (flaps "closed", with leak air share)
- 39
- 40
- Vacuum element for legroom flaps (flaps "open")
  Vacuum element for center nozzle flap (flap "closed")
  Vacuum element for fresh air-recirculating air flap (position "fresh air")
  Vacuum element for main air flap (flap "open")
- Throttle (orifice)
- Check valve (arrow = flow direction) 45
- 48 6-point distributor
- 4-point distributor
- 3-point distributor

Color code of

vacuum lines ge = yellow gn = green

gr = gray rt = red

ws = white hbl= light blue sw = black



Vacuum function diagram 3a automatic climate control Function selection "c" (cooling — fresh air)

13 Switchover valve for center nozzle flap

14 Switchover valve for legroom flaps

15 Switchover valve for defroster nozzle flaps

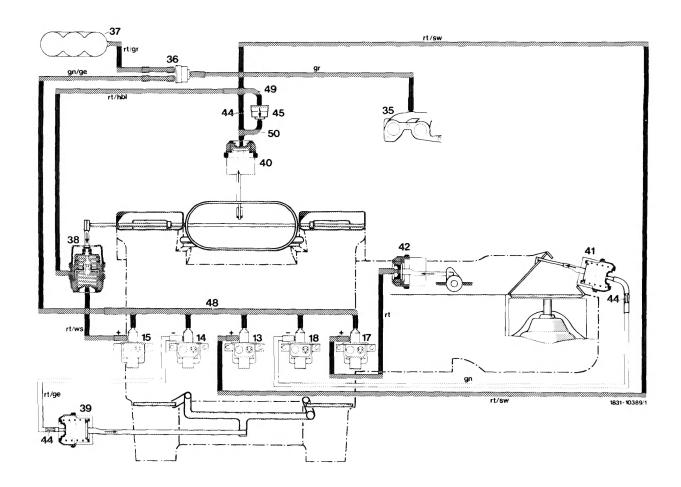
- Switchover valve for main air flaps
- Switchover valve for fresh air-recirculating air flap
- Vacuum connection on intake manifold
- Check valve
- Vacuum reservoir

- 18 35 36 37 38 39 40
- Vacuum element for defroster nozzle flaps (flaps "closed")
  Vacuum element for legroom flaps (flaps "closed")
  Vacuum element for center nozzle flap (flap "open")
  Vacuum element for fresh air-recirculating air flap (position "fresh air")
  Vacuum element for main air flap (flap "open") 41 42
- 44 45 48 Throttle (orifice)
- Check valve (arrow = flow direction)
- 6-point distributor 4-point distributor
- 49
- 3-point distributor

## Color code of

vacuum lines ge = yellow

- gn = green
- gr = gray rt = red
- ws = white
- hbl= light blue
- sw = black



Vacuum function diagram 3b automatic climate control 13 Switchover valve for defroster nozzle flaps
14 Switchover valve for defroster nozzle flap
15 Switchover valve for defroster nozzle flaps

- Switchover valve for main air flap
- Switchover valve for fresh air-recirculating air flap
- Vacuum connection on intake manifold Check valve Vacuum reservoir
- 35 36 37 38 39 40

- Vacuum reservoir
  2-stage vacuum element for defroster nozzle flaps (flaps "closed")
  Vacuum element for legroom flaps (flaps "closed")
  Vacuum element for center nozzle flap (flap "open")
  Vacuum element for fresh air-recirculating air flap (position "recirculating air") 41 42
- Vacuum element for main air flap (flap "open")
- Throttle (orifice)
- Check valve (arrow = flow direction) 6-point distributor 45
- 48
- 49
- 4-point distributor 3-point distributor

Color code of

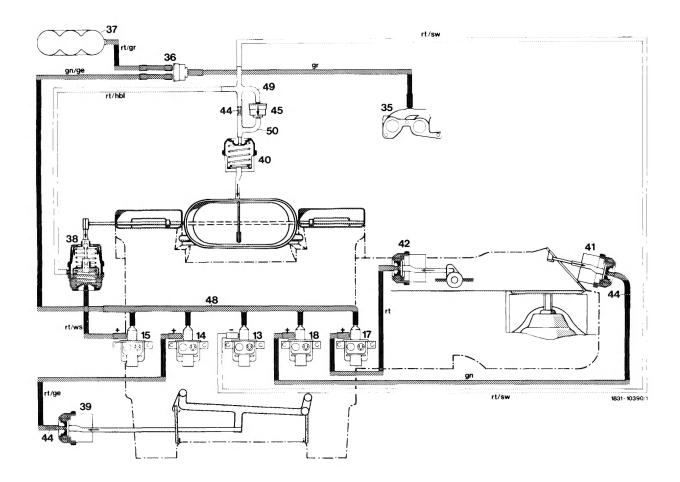
vacuum lines ge = yellow

gn = green

gr = gray rt = red

ws = white

hbl= light blue



Vacuum function diagram 4 automatic climate control Function selection "d" (heating — economy)

13 Switchover valve for center nozzle flap

- Switchover valve for legroom flaps Switchover valve for defroster nozzle flaps Switchover valve for main air flap
- Switchover valve for fresh air-recirculating air flap
- 35 36 Vacuum connection on intake manifold
- Check valve
- 37 Vacuum reservoir
- 2 stage vacuum element for defroster nozzle flaps (flaps "closed", 38
- with leak air share) Vacuum element for legroom flaps (flaps ''open'') 39
- Vacuum element for legroom flaps (flap 'closed')
  Vacuum element for fresh air-recirculating air flap (position 'fresh air')
  Vacuum element for main air flap (flap 'open')
  Throttle (orifice)
- 42 44
- 45 Check valve (arrow = flow direction)
- 6-point distributor
- 49 4-point distributor
- 50 3-point distributor

Color code of

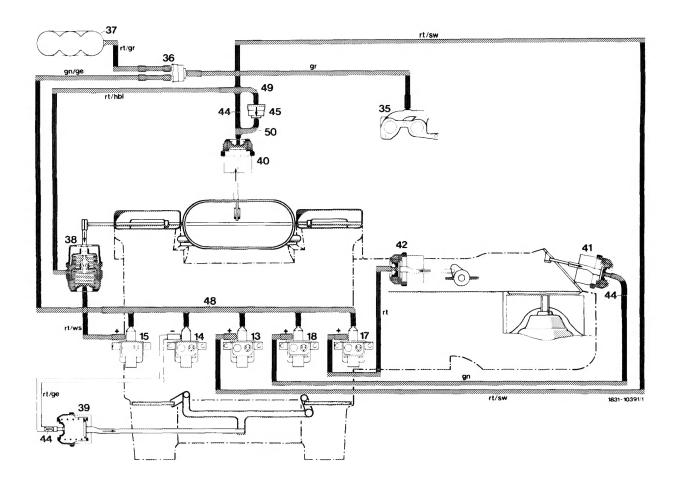
vacuum lines

ge = yellow gn = green

gr = gray rt = red

ws = white

hbl= light blue



Vacuum function diagram 4a automatic climate control Function selection "d" (cooling — economy)

13 Switchover valve for center nozzle flap

14 Switchover valve for legroom flaps

15 Switchover valve for defroster nozzle flaps

17 Switchover valve for main air flap

- Switchover valve for fresh air-recirculating air flap
- Vacuum connection on intake manifold Check valve
- 35 36 37 38 39

- Check valve
  Vacuum reservoir
  2-stage vacuum element for defroster nozzle flaps (flaps "closed")
  Vacuum element for legroom flaps (flaps "closed")
  Vacuum element for center nozzle flap (flap "open")
  Vacuum element for fresh air-recirculating air flap (position "fresh air")
  Vacuum element for main air flap (flap "open")
  Throttle (orifice)
  Check valve (arrow = flow direction) 41
- 42
- 44 45
- Check valve (arrow = flow direction)
- 6-point distributor
- 4-point distributor
- 3-point distributor

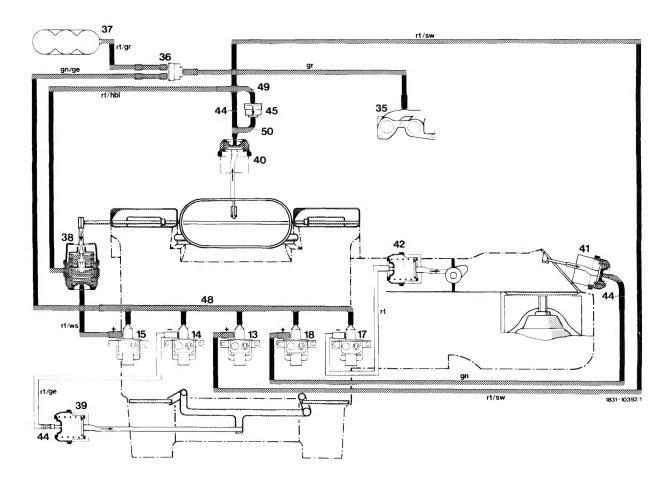
Color code of vacuum lines

ge = yellow

gn = green gr = gray rt = red

ws = white

hbl= light blue



Vacuum function diagram 5 automatic climate control Function selection "e" (off — ignition on)

13 Switchover valve for center nozzle flap

14 Switchover valve for legroom flaps

- Switchover valve for defroster nozzle flaps
  Switchover valve for main air flap
  Switchover valve for fresh air-recirculating air flap
  Vacuum connection on intake manifold 18 35
- 36 37 38 39 Check valve
- Vacuum reservoir

- Vacuum element for defroster nozzle flaps (flaps "closed")
  Vacuum element for legroom flaps (flaps "closed")
  Vacuum element for center nozzle flap (flap "open")
  Vacuum element for fresh air-recirculating air flap (position "fresh air")
  Vacuum element for main air flap (flap "closed") 41 42
- Throttle (orifice) 44
- Check valve (arrow = flow direction)
- 6-point distributor
- 4-point distributor
- 3-point distributor

Color code of vacuum lines

ge = yellow

gn = green gr = gray rt = red

ws = white

hbl = light blue sw = black